Willow Creek at Maple Rd

Road Salt Monitoring Data Summary February 2011 – March 2014¹



Photo courtesy of Jim Beecher

Volunteer: Joe Rath

Specific conductance summary:

• 21 measurements taken

Minimum: 1000 μS/cm on 9/20/2011
 Maximum: 1740 μS/cm on 3/12/2011

Mean: 1276 μS/cm

Chloride (Cl⁻) summary:

9 samples collected

Minimum: 103 mg/L on 9/20/2011
Maximum: 217 mg/L on 2/28/2013

Mean: 156 mg/L

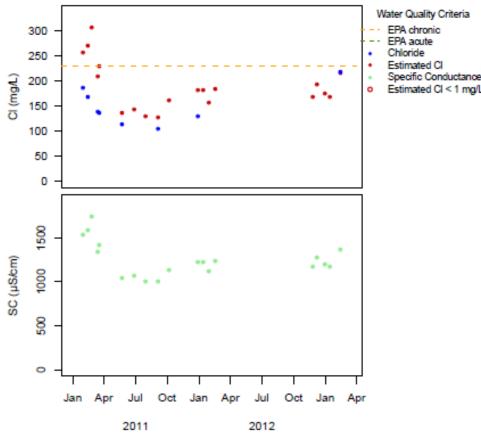
EPA Acute and Chronic Exceedences for Chloride²:

The EPA acute chloride standard of 860 mg/L has not been exceeded at this site based on volunteer monitoring.

However, the EPA chronic chloride standard of 230 mg/L was predicted to have been met or exceeded four times. In addition to those exceedences shown on the graph below, the following was predicted:

289 mg/L on 2/22/2014 (calculated)³

Results Through December 2013³:



¹ All data in SWIMS as of 8/26/2014 were downloaded

² Source: EPA. 1988. Ambient Water Quality Criteria for Chloride. EPA 440/6-88-001.

 $^{^{3}}$ Calculated chloride: CI = 0.242 x SC-115.2 adjR 2 = 0.8, except when SC >2250, then CI = 0.346 * SC - 309.8, adjR 2 = 0.97